

Do Not Scan

Latima-  
Please change  
title in palm  
to this

**Amendments to the Specification:**

Please replace the title beginning at page 1, line 1 with the following replacement title:

--GENE [CLUSTER] ENCODING A NONRIBOSOMAL PEPTIDE SYNTHETASE FOR  
THE PRODUCTION OF RAMOPLANIN [BIOSYNTHESIS]--

Please replace the abstract paragraph with the following replacement paragraph:

-- The present invention relates to an isolated genetic sequence[s] encoding a nonribosomal peptide synthetase (NRPS) protein[s] which directs the biosynthesis of the antibiotic ramoplanin in microorganisms such as Actinoplanes sp. The isolated [biosynthetic] gene [cluster] sequence serves as a substrate for bioengineering of antibiotic structures.--

Please replace the paragraph [0012] beginning at page 4, line 1 with the following replacement paragraph:

-- In one embodiment preferred nucleic acids encode at least two, more preferably three, still more preferably four, or most preferably five or more ORFs selected from ORFS 1 to 33 (SEQ ID NOS: 2 to 34) of the ramoplanin locus. In one embodiment, combinations of ORFs selected from ORFs 1 through 33 (SEQ ID NOS 2 to 34) are provided which encode polypeptides that form at least the depsipeptide core structure of ramoplanin. In another embodiment combinations of ORFs selected from ORFs 1 through 33 (SEQ ID NOS: 2 to 34) are provided which encode polypeptides that form at least the fatty-acid side chain of the depsipeptide core structure of ramoplanin. In another embodiment, combinations of ORFs selected from ORFs 1 through 33 (SEQ ID NOS: 2 to 34) are provided which encode polypeptides responsible for the synthesis of 4-hydroxyphenylglycine (HPG) of ramoplanin. In another embodiment, combinations of ORFs selected from ORFs 1 through 33 (SEQ ID NOS: 2 to 34) are provided that encode polypeptides that form at least the beta-hydroxyasparagine residue. In another